

Docket No.
085804.014501



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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: 09/845⁶,823 **Group Art Unit** 3622
Applicant(s): Ted E. Dunning, et al. **Examiner:** Yehdega Retta
Filing Date: April 30, 2001 **Customer No.:** 32361
Title: **RELATIONSHIP DISCOVERY ENGINE**

Date: December 15, 2006

Mail Stop: IDS
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Post Office Box 1450
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- ☒ Information Disclosure Statement - PTO/SB/08A & PTO/SB/08B (14 pages) and copies of the foreign references (22 references) and the non-patent literature listed (22 documents);
- ☒ Information Disclosure Statement By Applicant (2 pages);
- ☒ Certificate of Mailing By Regular U.S. Mail (1 page); and
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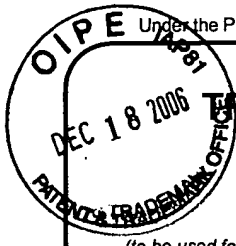
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Suzanne Marx

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| | |
|------------------------|------------------------|
| Application Number | 09/846,823 |
| Filing Date | April 30, 2001 |
| First Named Inventor | Ted E. Dunning, et al. |
| Art Unit | 3622 |
| Examiner Name | Yehdega Retta |
| Attorney Docket Number | 085804 . 014501 |

ENCLOSURES (Check all that apply)

- | | | |
|---|--|--|
| <input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD | <input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Copies of the foreign references and the non-patent literature listed on Forms PTO/SB/08A and PTO/SB/08B |
|---|--|--|

Remarks

The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No 50-2638. Please insure that the Attorney Docket Number is referenced when charging payments or applying credits for this application.

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

| | | | |
|--------------|------------------------|----------|--------|
| Firm Name | GREENBERG TRAURIG, LLP | | |
| Signature | | | |
| Printed name | Carole A. Quinn | | |
| Date | December 15, 2006 | Reg. No. | 39,000 |

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: 09/846,823 Group Art Unit 3622
Applicant(s): Ted E. Dunning, et al. Examiner: Yehdega Retta
Filing Date: April 30, 2001 Docket No.: 085804 . 014501
Title: RELATIONSHIP DISCOVERY ENGINE
Customer No.: 32361

CERTIFICATE UNDER 37 C.F.R. § 1.10

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Suzanne Marx

INFORMATION DISCLOSURE STATEMENT

Date: December 15, 2006

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Post Office Box 1450
Alexandria, Virginia 22313-1450

Dear Sir/Madam:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, and in accordance with the practice under 37 C.F.R. §§ 1.97 and 1.98, the Examiner's attention is directed to the documents listed on the enclosed Form(s) PTO/SB/08A and Form(s) PTO/SB/08B. Copies of the listed foreign references and non-patent literature documents are enclosed.

One of the documents listed, EP No. 1,236,340, is a European reference which corresponds to, and is published as, WO 01/35667. Enclosed is a copy of a European Patent Office communication confirming this correspondence, together with a copy of WO 01/35667.

12/19/2006 AMONDAFI 00000001 09846823

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Since Applicants have not received a Final Action, Notice of Allowance or other communication that closes prosecution, after filing of a Request For Continued Examination (RCE), the Information Disclosure Statement, which is being filed under § 1.97(c) with the \$180.00 filing fee, is believed to be timely filed. The Examiner is requested to confirm that the submitted documents have been considered by initialing the appropriate portion of Form(s) PTO/SB/08A and PTO/SB/08B.

Applicants' undersigned attorney may be reached by phone in California (Pacific Standard Time) at (714) 708-6500. All correspondence should continue to be directed to the below-listed address.

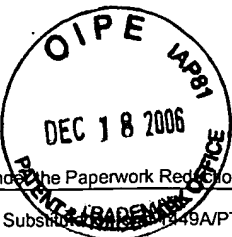
In view of the above, the Commissioner is hereby authorized to charge the \$180.00 fee for filing an Information Disclosure Statement under 37 C.F.R. § 1.17(p), and any additional fees required, to Deposit Account No. 50-2638. Please ensure that the Attorney Docket Number is referenced when charging any payments or applying any credits for this application.

Respectfully submitted,

Date: December 15, 2006


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Substantive Examination 49A/PTO

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| Examiner Name | Yehdega Retta |
| Attorney Docket Number | 085804 . 014501 |

Sheet

-1-

of

-14-

U. S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|-----------------------|--------------------------|--|--------------------------------|--|---|
| | | Number-Kind Code ² (if known) | | | |
| | | US- 3,568,156 | 03/02/1971 | Kenneth L. Thompson | |
| | | US- 4,384,329 | 05/17/1983 | Walter S. Rosenbaum | |
| | | US- 4,833,610 | 05.23.1989 | Antoni D. Zamora | |
| | | US- 5,062,143 | 10.29.1991 | John C. Schmitt | |
| | | US- 5,182,708 | 01.26.1993 | Koichi Ejiri | |
| | | US- 5,241,674 | 08.31.1993 | Yoshiaki Kuorsawa | |
| | | US- 5,303,150 | 04.12.1994 | Masayuki Komeda | |
| | | US- 5,405,505 | 04.04.1995 | Frank H. Levinson | |
| | | US- 5,371,807 | 12.06.1994 | Michael S. Register | |
| | | US- 5,392,212 | 02.21.1995 | Jon C. Geist | |
| | | US- 5,418,951 | 05.23.1995 | Markc Damashek | |
| | | US- 5,497,488 | 03.05.1996 | Mirsuru Akizawa | |
| | | US- 5,499,046 | 03.12.1996 | Jay B. Schiller | |
| | | US- 5,539,635 | 07.23.1996 | Ernest J. Larson, Jr. | |
| | | US- 5,548,507 | 08.20.1996 | Michael J. Martino | |
| | | US- 5,583,763 | 12.20.1996 | John Atcheson | |
| | | US- 5,592,511 | 01.07.1997 | Neil C. Schoen | |
| | | US- 5,661,787 | 08.26.1997 | Michael H. Pocock | |
| | | US- 5,675,786 | 10.07.1997 | Neil Howard McKed | |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ³ |
|-----------------------|--------------------------|---|--------------------------------|--|---|----------------|
| | | Country Code ³ "Number" ⁴ "Kind Code" ⁵ (if known) | | | | |
| | | AU-A-53031/98 | 08.27.1998 | Dudley John Mills | | |
| | | EP 0 173 639 A2 | 03.05.1986 | Avrom R. Handleman | | |
| | | EP 1 236 354 A0 | 05.17.2001 | Jeffrey Boulter | | |
| | | EP 0 847 156 A2 | 10.06.1998 | Robert L. Wolfe | | |

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| Application Number | 9/846,823 |
| Filing Date | April 30, 2001 |
| First Named Inventor | Ted E. Dunning, et al. |
| Art Unit | 3622 |
| Examiner Name | Yehdega Retta |
| Attorney Docket Number | 085804 . 014501 |

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of -14-

U. S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|--------------------|-----------------------|--|--------------------------------|--|---|
| | | Number-Kind Code ² (if known) | | | |
| | | US- 5,678,054 | 10.14.1997 | Satoshi Shibata | |
| | | US- 5,706,365 | 01.16.1998 | Vijayakumar Rangarajan | |
| | | US- 5,616,876 | 01.13.1998 | John R. Rose | |
| | | US- 5,713,016 | 07.01.1997 | Jonathan C. Cluts | |
| | | US- 5,758,257 | 05.26.1998 | Frederick Herz | |
| | | US- 5,726,909 | 03.10.1998 | Thomas M. Krikorian | |
| | | US- 5,740,134 | 04.14.1998 | Tim Peterson | |
| | | US- 5,751,672 | 05.12.1998 | Carl J. Yankowski | |
| | | US- 5,790,935 | 08.04.1998 | David W. Payton | |
| | | US- 5,790,423 | 08.04.1998 | Edwin J. Lan, et al. | |
| | | US- 5,809,246 | 09.15.1998 | Robert J. Goldman, et al | |
| | | US- 5,819,160 | 10.06.1998 | Mark Foladare, et al. | |
| | | US- 5,862,220 | 01.19.1999 | Stephen G. Perlman | |
| | | US- 5,862,339 | 01.19.1999 | Patrick P. Bonnaure | |
| | | US- 5,864,868 | 01.26.1999 | David C. Contois | |
| | | US- 5,872,921 | 02.16.1999 | Manuel Zahariev, et al. | |
| | | US- 5,881,234 | 03.09.1999 | Pierre R. Schwab | |
| | | US- 5,884,312 | 03.16.1999 | Robert Frederick Dustan | |

FOREIGN PATENT DOCUMENTS

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|--------------------|-----------------------|---|--------------------------------|--|---|----------------|
| | | Country Code ³ "Number" ⁴ "Kind Code" ⁵ (if known) | | | | |
| | | EP 0 955 592 A2 & A3 | 11.10.1999 | Zhenya Yourio | | |
| | | EP 1 010 098 B1 | 06.18.2003 | Dale Tyson Roberts | | |
| | | EP 1 324 567 A2 & A3 | 07.02.2003 | Dale Tyson Roberts | | |
| | | GB 2 306 869 | 07.05.1997 | Patrik Garten | | |

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|-----------------------|--------------------------|--|--------------------------------|--|---|
| | | Number-Kind Code ² (if known) | | | |
| | | US- 5,898,833 | 04.27.1999 | Jeff Kidder | |
| | | US- 5,913,040 | 06.15.1999 | Yuval Rakavy | |
| | | US- 5,913,041 | 06.15.1999 | Srinivas Ramanathan | |
| | | US- 5,930,526 | 07.27.1999 | Vaughn Iverson | |
| | | US- 5,930,768 | 07.27.1999 | Edward Hooban | |
| | | US- 5,931,907 | 08.03.1999 | Nicholas John Davies | |
| | | US- 5,941,951 | 08.24.1999 | Michael Norman Day | |
| | | US- 5,945,988 | 08.31.1999 | Christopher D. Williams | |
| | | US- 5,956,482 | 09.21.1999 | Sanjay Agraharam | |
| | | US- 5,960,430 | 09.28.1999 | Ira Joseph Haimowitz | |
| | | US- 5,842,010 | 11.24.1998 | Ravi Kumar Jain | |
| | | US- 5,977,964 | 11.02.1999 | Christopher D. Williams | |
| | | US- 5,983,176 | 11.09.1999 | Eric M. Hoffert | |
| | | US- 5,987,525 | 11.16.1999 | Dale Tyson Roberts | |
| | | US- 5,996,015 | 11.30.1999 | Michael Norman Day | |
| | | US- 6,000,008 | 12.07.1999 | Robert J. Simcoe | |
| | | US- 6,009,382 | 12.28.1999 | Michael John Martino | |
| | | US- 6,012,098 | 01.04.2000 | Elias N. Bayeh | |
| | | US- 6,021,203 | 02.01.2000 | John R. Douceur | |

FOREIGN PATENT DOCUMENTS

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| | | Country Code ³ "Number" ⁴ "Kind Code ⁵ (if known) | | | | |
| | | JP 2001521642T | 11.06.2001 | Dale Tyson Roberts | | |
| | | WO 97/07467 | 02.27.1997 | Sean Phelan | | |
| | | WO 98/25269 A1 | 06.11.1998 | Keith Reynolds Wehmeyer | | |

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| | | US- 6,026,398 | 04.15.2000 | David Brown, et al. | |
| | | US- 6,026,439 | 02.15.2000 | Shyamal Chowdhury | |
| | | US- 6,029,195 | 02.22.2000 | Frederick S.M. Herz | |
| | | US- 6,031,797 | 02.29.2000 | John M. Van Ryzin | |
| | | US- 6,035,268 | 03.07.2000 | Alwin B. Carus | |
| | | US- 6,038,591 | 03.14.2000 | Robert L. Wolfe | |
| | | US- 6,047,268 | 04.04.2000 | Paul D. Bartoli | |
| | | US- 6,047,320 | 04.04.2000 | Satoru Tezuka | |
| | | US- 6,047,327 | 04.04.2000 | Michael Man-Hak Tso | |
| | | US- 6,052,717 | 04.18.2000 | Brian Reynolds | |
| | | US- 6,061,680 | 05.09.2000 | Steven Douglas Scherf | |
| | | US- 5,926,207 | 07.20.1999 | Mark F. Vaughn | |
| | | US- 6,065,051 | 05.16.2000 | Douglas W. Steele | |
| | | US- 6,020,883 | 02.01.2000 | Frederick Herz | |
| | | US- 6,070,185 | 05.30.2000 | Vinod Anupam | |
| | | US- 6,085,242 | 07.04.2000 | Rohit Chandra | |
| | | US- 6,097,719 | 08.01.2000 | Ray Benash | |
| | | US- 6,102,406 | 08.15.2000 | Steven A. Miles | |
| | | US- 6,105,022 | 08.15.2000 | Toru Takahashi | |

FOREIGN PATENT DOCUMENTS

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| | | Country Code ³ "Number" "Kind Code ⁵ (if known) | | | | |
| | | WO 98/47080 A2 | 10.22.1998 | Dale Tyson Roberts | | |
| | | WO 99/27681 | 06.03.1999 | Steven D. Leeke | | |
| | | WO 99/43111 | 08.26.1999 | James Logan | | |
| | | WO 00/31964 | 06.02.2000 | Magnus Jandel | | |
| | | WO 00/46681 A1 | 08.10.2000 | Christopher M. Coulthard | | |
| | | WO 01/33379 A1 | 05.10.2001 | Jayanta Kumar Dey | | |

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|------------------------|-----------------------|
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| Filing Date | April 30, 2001 |
| First Named Inventor | Ted E. Dunning, et al |
| Art Unit | 3622 |
| Examiner Name | Yehdega Retta |
| Attorney Docket Number | 085804 . 014501 |

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U. S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|--------------------|-----------------------|--|--------------------------------|--|---|
| | | Number-Kind Code ² (if known) | | | |
| | | US- 6,131,082 | 10.10.2000 | James E. Hargrave, III | |
| | | US- 6,192,340 | 02.20.2001 | Max Abecassis | |
| | | US- 6,138,142 | 10.24.2000 | Steven J. Linsk | |
| | | US- 6,246,672 | 06.12.2001 | Leon Lumelsky | |
| | | US- 6,161,132 | 12.12.2000 | Dale Tyson Roberts | |
| | | US- 6,161,139 | 12.12.2000 | Teresa Win | |
| | | US- 6,167,369 | 12.26.2000 | Bruno M. Schulze | |
| | | US- 6,182,142 | 01.30.2001 | Teresa Win | |
| | | US- 6,185,560 | 02.06.2001 | Kai W. Young | |
| | | US- 6,205,126 | 03.20.2001 | Billy Gayle Moon | |
| | | US- 6,222,980 | 04.24.2001 | Hiroshi Asai | |
| | | US- 6,225,546 | 05.01.2001 | Reiner Kraft | |
| | | US- 6,230,192 | 05.08.2001 | Dale Tyson Roberts | |
| | | US- 6,230,207 | 05.08.2001 | Dale Tyson Roberts | |
| | | US- 6,240,459 | 05.29.2001 | Dale Tyson Roberts | |
| | | US- 6,272,495 | 08.07.2001 | Greg Hetherington | |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
|--------------------|-----------------------|--|--------------------------------|--|--|----------------|
| | | Country Code* "Number" "Kind Code ⁵ (if known) | | | | |
| | | WO 01/35667 A1 | 05.17.2001 | Jeffrey Boulter | | |
| | | WO 01/54323 A2 | 07.26.2001 | Paul M. Hunt | | |
| | | WO 01/73639 A1 | 10.04.2001 | Rick McEwan | | |
| | | WO 02/42862 A2 | 05.30.2002 | Phillip Clark Evans | | |
| | | WO 03/012695 A2 | 02.13.2003 | Dale T. Roberts | | |

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U. S. PATENT DOCUMENTS

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|-----------------------|--------------------------|--|--------------------------------|--|---|
| | | Number-Kind Code ² (if known) | | | |
| | | US- 6,298,446 | 10.02.2001 | Daniel Schreiber | |
| | | US- 6,314,421 | 11.06.2001 | David Muir Sharnoff | |
| | | US- 6,321,221 | 11.20.2001 | Paul Bieganski | |
| | | US- 6,330,593 | 12.11.2001 | Dale Tyson Roberts | |
| | | US- 6,343,317 | 01.29.2002 | Harry A. Glorikian | |
| | | US- 6,353,849 | 03.05.2002 | Steven J. Linsk | |
| | | US- 6,370,315 | 04.09.2002 | Toshio Mizuno | |
| | | US- 6,389,467 | 05.14.2002 | Aviv Eyal | |
| | | US- 6,487,598 | 11.26.2002 | Andrew J. Valencia | |
| | | US- 6,490,553 | 12.03.2002 | Jean-Manuel Van Thong | |
| | | US- 6,512,763 | 01.28.2003 | Richard Case DeGolia Jr | |
| | | US- 6,535,854 | 03.18.2003 | Peter Buchner | |
| | | US- 6,538,996 | 03.25.2003 | Julian Wray West | |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
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U. S. PATENT DOCUMENTS

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|-----------------------|--------------------------|--|--------------------------------|--|---|
| | | Number-Kind Code ² (if known) | | | |
| | | US- 6,557,026 | 04.29.2003 | James H. Stephens, Jr. | |
| | | US- 6,560,704 | 05.06.2003 | Jude Gerard Dieterman | |
| | | US- 6,611,812 | 08.26.2003 | Marco M. Hurtado | |
| | | US- 6,661,787 | 12.09.2003 | Anne G. O'Connell | |
| | | US- 6,677,894 | 01.13.2004 | Leonid Sheynblat | |
| | | US- 6,725,446 | 04.20.2004 | Chris P. Hahn | |
| | | US- 6,741,980 | 05.25.2004 | Justin Langseth | |
| | | US- 6,889,383 | 05.03.2005 | Matthew Jarman | |
| | | US- 6,925,441 | 08.02.2005 | Charles L. Jones, III | |
| | | US- 2001/0044855 | 11.22.2001 | Brian Christopher Vermeire | |
| | | US- 2001/0052028 | 12.13.2001 | Dale Tyson Roberts | |
| | | US- 2001/0055276 | 12.27.2001 | Shane M. Rogers | |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
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-14-

U. S. PATENT DOCUMENTS

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|-----------------------|--------------------------|--|--------------------------------|--|---|
| | | Number-Kind Code ² (if known) | | | |
| | | US- 2002/0010714 | 01.24.2002 | Greg Hetherington | |
| | | US- 2002/0035561 | 03.21.2002 | John Archer | |
| | | US- 2002/0045717 | 04.18.2002 | Werner Grenda | |
| | | US- 2002/0056004 | 05.09.2002 | Andrew J. R. Smith | |
| | | US- 2002/0095387 | 07.18.2002 | Bertrand Sosa | |
| | | US- 2002/0111912 | 08.15.2002 | Charles Eric Hunter | |
| | | US- 2002/0129123 | 09.12.2002 | Scott C. Johnson | |
| | | US- 2002/0152204 | 10.17.2002 | Ruben Ernesto Ortega | |
| | | US- 2002/0175941 | 11.28.2002 | Leonard S. Hand | |
| | | US- 2003/0002608 | 01.02.2003 | Robert C. Glenn | |
| | | US- 2003/0028796 | 02.06.2003 | Dale T. Roberts | |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
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|--------------------|-----------------------|--|--------------------------------|--|---|
| | | Number-Kind Code ² (if known) | | | |
| | | US- 2003/0046283 | 03.06.2003 | Dale T. Roberts | |
| | | US- 2003/0083871 | 05.01.2003 | Jonathan T. Foote | |
| | | US- 2003/0135513 | 07.17.2003 | Paul Quinn | |
| | | US- 2003/0139989 | 07.24.2003 | Eduardo Enrique Churquina | |
| | | US- 60/144,377 | 07.16.1999 | Benjamin E. Hosken | |
| | | US- 60/165,726 | 11.15.1999 | Sean Michael Ward | |
| | | US- 60/165,727 | 11.15.1999 | Sean Michael Ward | |
| | | US- 60/166,039 | 11.17.1999 | Sean Michael Ward | |
| | | US- 6,757,740 | 06.29.2004 | Sanjay M. Parekh | |
| | | US- 6,513,061 | 01.28.2003 | Tomoichi Ebata | |
| | | US- 6,282,548 | 08.28.2001 | Michael E. Burner | |
| | | US- 6,807,632 | 10.19.2004 | Paul R. Carpentier | |
| | | US- 6,405,203 | 06.11.2002 | Todd R. Collart | |
| | | US- 6,522,769 | 02.13.2003 | Geoffrey B. Rhoads | |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
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| | | Country Code ³ *Number ⁴ *Kind Code ⁵ (if known) | | | | |
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|-----------------------|--------------------------|--|--------------------------------|--|---|
| | | Number-Kind Code ² (if known) | | | |
| | | us- 2005/0149759 | 07.07.2005 | Balamani S. Vishwanath | |
| | | us- 6,952,523 | 10.04.2005 | Yoshiaki Tanaka | |
| | | us- 6,560,403 | 05.06.2003 | Yoshiaki Tanaka | |
| | | us- 6,434,535 | 08.13.2002 | Michael S. Kupka | |
| | | us- 6,031,795 | 02.29.2000 | Keith Reynolds Wehmeyer | |
| | | us- 5,754,938 | 05.19.1998 | Frederick S.M. Hertz | |
| | | us- 2002/0065857 | 05.30.2002 | Zbigniew Michalewicz | |
| | | us- 5,608,622 | 03.04.1997 | Kenneth W. Church | |
| | | us- 5,774,357 | 06.30.1998 | Steven M. Hoffberg | |
| | | us- 5,883,986 | 03.16.1999 | Gary E. Kopec | |
| | | us- 6,038,527 | 03.14.2000 | Ingrid Renz | |
| | | us- 6,047,251 | 04.04.2000 | Leonard K. Pon | |
| | | us- 6,252,988 | 06.26.2001 | Tin Kam Ho | |
| | | us- 6,614,914 | 09.02.2003 | Geoffrey B. Rhoads | |
| | | us- 6,658,151 | 12.02.2003 | Dar-Shyang Lee | |
| | | us- 6,272,456 | 08.07.2001 | Miguel Cardoso de Campos | |
| | | us- 2003/0190077 | 10.09.2003 | David Justin Ross | |
| | | us- 5,608,622 | 03.04.1997 | Kenneth W. Church | |

FOREIGN PATENT DOCUMENTS

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| Application Number | 09/846,823 |
| Filing Date | April 30, 2001 |
| First Named Inventor | Ted E. Dunning, et al. |
| Art Unit | 3622 |
| Examiner Name | Yehdega Retta |
| Attorney Docket Number | 085804 . 014501 |

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U. S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|-----------------------|--------------------------|--|--------------------------------|--|---|
| | | Number-Kind Code ² (if known) | | | |
| | | US- 5,608,622 | 03.04.997 | Kenneth W. Church | |
| | | US- 5,754,938 | 05.19.1998 | Frederick S.M. Herz | |
| | | US- 5,774,357 | 06.30.1998 | Steven M. Hoffberg | |
| | | US- 6,611,813 | 08.26.2003 | Timothy Robert Bratton | |
| | | US- 6,587,127 | 07.01.2003 | Steven D. Leeke | |
| | | US- 6,505,160 | 01.07.2003 | Kenneth L. Levy | |
| | | US- 2002/0082901 | 06.27.2002 | Ted E. Dunning | |
| | | US- 2003/0182139 | 09.25.2003 | Geoffrey H. Harris | |
| | | US- 2002/0099737 | 07.25.2002 | Charles A. Porter | |
| | | US- 6,263,313 | 07.17.2001 | Kenneth Louis Milsted | |
| | | US- 5,950,189 | 09.07.1999 | Edith Cohen | |
| | | US- 2001/0005823 | 06.18.2001 | Uwe Fischer | |
| | | US- 2002/0099696 | 07.25.2002 | John Prince | |
| | | US- 6,532,477 | 03.11.2003 | John C. Tang | |
| | | US- | | | |
| | | US- | | | |
| | | US- | | | |
| | | US- | | | |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
|-----------------------|--------------------------|---|--------------------------------|--|---|----------------|
| | | Country Code ³ "Number" ⁴ "Kind Code" ⁵ (if known) | | | | |
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|--------------------|-----------------------|--|----------------|
| | | "Fast Algorithms for Projected Clustering;" Charu C. Aggarwal, Cecilia Procopiuc, Joel L. Wolf, Philip S. Yu, and Jong Soo Park. Proceedings of the ACM SIGMOD International Conference on Management of Data, 1999 | |
| | | "Mel-Frequency Cepstral Analysis," [online] [retrieved on 2001-02-02] Retrieved from the Internet <URL:http://ccrma-www.stanford.edu/~unjung/mylec/mfcc.html>, pp. 1-3 | |
| | | Agosti, M., Gradenigo, G. Marchetti, P.G., "A Hypertext Environment for Interacting with Large Textual Databases," pp. 469-477 | |
| | | Hull, David A. and Grefenstette, Gregory, "Querying Across Languages: A Dictionary-Based Approach to Multilingual Information Retrieval," pp. 484-492 | |
| | | Belkin, N.J. Oddy, R.N., Brooks, H.M., "The Journal of Documentation," Volume 38, Number 2, June 1982, pp. 299-304 | |
| | | R. Brody, Ph.D., "The Conditions and Consequences of Profiling in Commercial and Governmental Settings," Technology And Society, 1998. ISTAS 98. Wiring The World: The Impact Of Information Technology On Society, Proceedings of the 1998 International Symposium on South Bend, IN, USA 12-13 June 1998, NY, NY, USA, IEEE, US, 12 June 1998 (1998-06-12), pp. 148-154, XP010291443, ISBN: 0-7803-4327-1 *the whole document* | |
| | | Carl de Marcken, "The Unsupervised Acquisition of a Lexicon from Continuous Speech," Massachusetts Institute of Technology Artificial Intelligence Laboratory: Center for Biological and Computational Learning, Department of Brain and Cognitive Sciences, A.I. Memo No. 1558 and C.B.C.L. Memo No. 129, November 2001, pp. 1-27 | |

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Considered

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|--------------------|-----------------------|---|----------------|
| | | Internet Papers: Freetantrum: Songprint 1.2, and computer code; www.freetantrum.org; December 11, 2000; 46 pages | |
| | | Jones, Karen Sparck, Jones, G.J.F., Foote, J.T. and Young, S.J., "Experiments in Spoken Document Retrieval," pp. 493-502 | |
| | | Jones, Karen Sparck and Willett, Peter, "Readings In Information Retrieval," Morgan Kaufmann Publishers, Inc., 1997, pp. 25-110, 205-246, 257-412, 440-445, 469-502, 527-533 | |
| | | Ian Goldberg, Steven D. Gribble, David Wagner, Eric A. Brewer "The Ninja Jukebox" October 14, 1999 | |
| | | Lancaster, F.W., "MEDLARS: Report on the Evaluation of Its Operating Efficiency," pp. 223-246 | |
| | | Z. Liu, et al., "Audio Feature Extraction and Analysis for Scene Segmentation and Classification" | |
| | | MusicMatch Literature downloaded from web.archive.org - 7 pages total | |
| | | RealNetworks Literature downloaded from web.archive.org - 16 pages total | |

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|-----------------------|--------------------------|---|----------------|
| | | Lisa F. Rau, "Conceptual Information Extraction and Retrieval from Natural Language Input," Artificial Intelligence Program GE Research and Development Center, Schenectady, NY 12301, pp. 527-533 | |
| | | Salton, Gerard, Allan, James, Buckley, Singhal, Amit, "Automatic Analysis, Theme Generation, and Summarization of Machine-Readable Texts," pp. 478-483 | |
| | | Shah, Tej, "Improving Electronic Commerce Through Gather Customer Data," TCC402 [online] 23 April 1998 (1998-04-23) XP002379874, University of Virginia, USA, Retrieved from the Internet: <URL:http://www.lib.virginia.edu> [Retrieved on 2006-05-08] *the whole document* | |
| | | Stubblefield, Adam and Wallach, Dan S., "A Security Analysis of My.MP3.com and the Beam-it Protocol," Department of Computer Science, Rice University | |
| | | Witten, Ian H. and Frank, Eibe, "Data Mining, Practical Machine Learning Tools and Techniques with JAVA Implementations," Academic Press, pp. 57-76 | |
| | | Wold, Erling, Blum, Thom, Keislar, Douglas and Wheaton, James, "Content-Based Classification, Search, and Retrieval of Audio," IEEE MultiMedia, Fall 1996 | |
| | | Written Opinion of the Patent Cooperation Treaty for International Patent Application No.: PCT/US02/03504 | |

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Considered

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